



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Alex Nugent

EXAMINER: Peter Coughlan

SERIAL NO.: 10/730,708

GROUP: 2129

FILED: 12/08/2003

ATTY DKT NO.: 1000-1214

TITLE: **ADAPTIVE NEURAL NETWORK UTILIZING NANOTECHNOLOGY-BASED COMPONENTS**

CERTIFICATE OF TRANSMISSION BY 1st CLASS MAIL

Please forward all correspondence to:

ORTIZ & LOPEZ, PLLC
Patent Attorneys
P.O. Box 4484
Albuquerque, NM 87196-4484

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on September 26, 2006

Kermit Lopez

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**AMENDMENTS AND REPLY TO FINAL OFFICE ACTION
AND REQUEST FOR CONTINUED EXAMINATION (RCE)
UNDER 37 C.F.R. § 1.114**

Dear Sir:

In response to the Office Action dated July 19, 2006 and the Advisory Action dated September 20, 2006 in the above captioned matter, please enter the following amendments and remarks:

Amendments to claims begin on Page 2 of this Paper.

Remarks begin on Page 12 of this Paper.

Exhibits and an RCE are submitted herewith.

10/02/2006 HDEMESS1 00000099 10730708

02 FC:2201

100.00 DP

AMENDMENT TRANSMITTAL LETTER (Small Entity)

Applicant(s): Alex Nugent

Docket No.

10/730,708

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/730,708	12/08/2003	COUGHLAN, PETER D		2129	3983

Invention: ADAPTIVE NEURAL NETWORK UTILIZING NANOTECHNOLOGY-BASED COMPONENTS

COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

Applicant claims small entity status. See 37 CFR 1.27

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	20 -	20 =	0	x \$25.00	\$0.00
INDEP. CLAIMS	4 -	3 =	1	x \$100.00	\$100.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$100.00

No additional fee is required for amendment.

Please charge Deposit Account No. in the amount of

A check in the amount of \$100.00 to cover the filing fee is enclosed. (Check No.)

The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No.

- Any additional filing fees required under 37 C.F.R. 1.16.
- Any patent application processing fees under 37 CFR 1.17.

Payment by credit card. Form PTO-2038 is attached.

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Dated: September 26, 2006

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